

# King County DNRP Water Quality Index

STATION **444** WATER YEAR **2018**

**GAUGE # 38C Kelsey Creek at NE 8th**

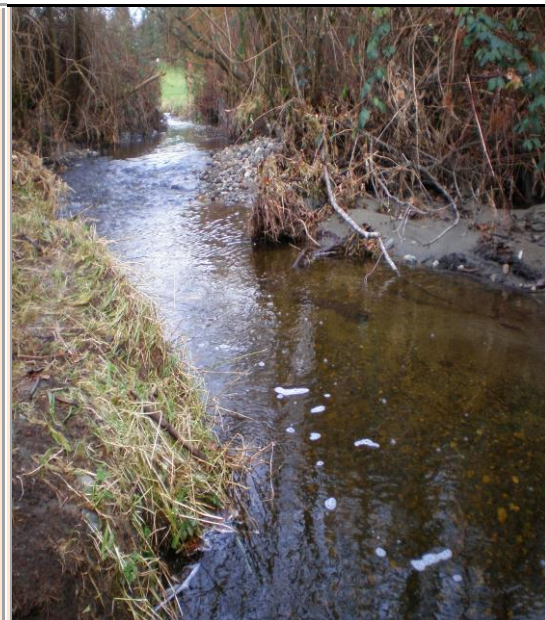
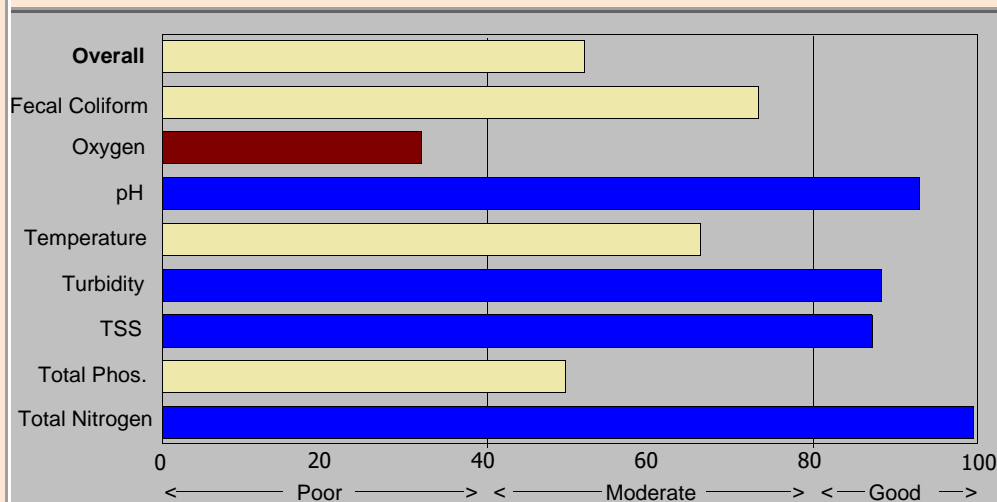
**Overall Index 52**

King County has monitored water quality in Kelsey Creek at two locations. Station 0444 is located at the mouth of Kelsey creek at the gaging station located off Interstate 405, under the trestle near the Richards Road exit. Monitoring at station 0444 began in 1977 and continued until 2008 when budget cutbacks forced King County to reduce its water quality monitoring program. Regular monitoring resumed in February 2013. The Kelsey Creek basin includes 19 miles of stream that drain into Lake Washington near I-90 and has an area of 10,879 acres.

The creek is on the Washington State Department of Ecology's 303(d) list, Category 5, for violations of temperature, dissolved oxygen, and fecal coliform bacteria standards. Kelsey Creek is also listed for bioassessment scores that indicate that biological integrity is degraded.

## Annual Water Quality Index Scores

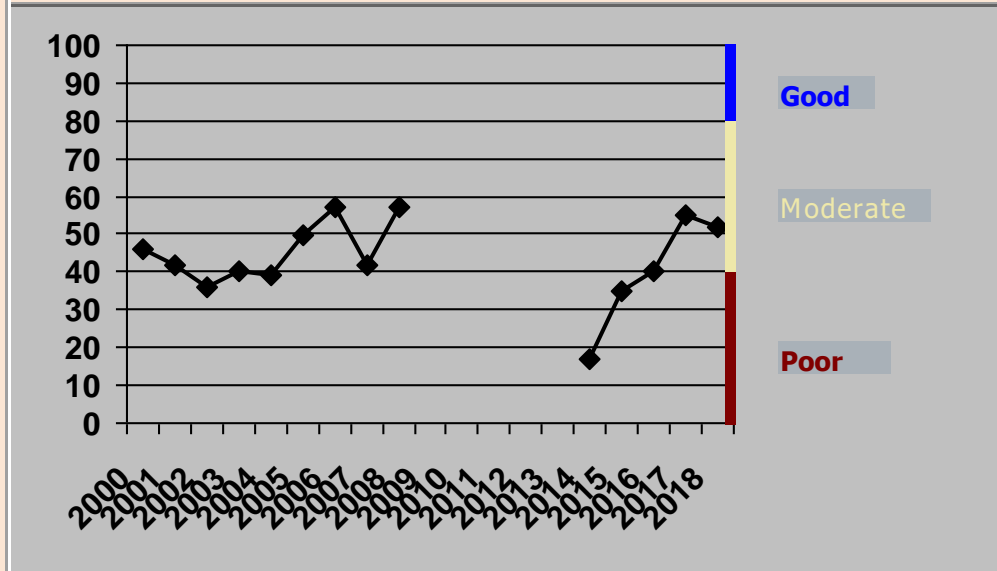
Water quality was MODERATE based on data collected 10/1/2017 to 9/30/2018.



## Monthly Scores For Water Year 2018

Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
75	82	82	84	82	81	78	56	76	55	45	55

## WQI Score Comparison By Water Year



## About The Water Quality Index:

The Water Quality Index (WQI) score is a unit-less number ranging from 10 to 100: the higher the number, the higher the water quality. Scores are calculated from data collected during the monthly routine sampling. For temperature, pH, fecal coliform bacteria, turbidity, and dissolved oxygen, the index expresses results relative to levels required to maintain beneficial uses according to criteria in Washington's Water Quality Standards, WAC 173-201A. For nutrient and sediment measures where there are no standard, results are expressed relative to guidelines for this eco-region. Results from the eight parameters are aggregated over time to produce a single score for each sample station. In general, stations scoring 80 and above did not fail water quality standards or guidelines and are of "low concern", scores 40 to 80 indicate "moderate concern", and water quality at stations with scores below 40 are of "high concern". For more information about the WQI please visit <https://green2.kingcounty.gov/streamsdata/WQI.aspx>

For more information about this creek please visit our website at <http://green.kingcounty.gov/WLR/Waterres/StreamsData/streamlist.aspx>